

THOMSON DELPHION			
Home About Delphion Privacy Policy	My Account Products	RESEARCH	PRODUCTS INSIDE DELPHION
Search: Quick/Number Boolean Advanced			

The Delphion Integrated View

Get Now: <input checked="" type="checkbox"/> PDF More choices...	Tools: Add to Work File: Create new Wor...
View: INPADOC Jump to: Top	Go to: Derwent...

Title: **JP3222257A2: MANUFACTURE OF LITHIUM ELECTRODE FOR LITHIUM BATTERY**

Country: JP Japan

Kind: A

Inventor: NAGaura TORU;
YOKOGAWA MASAaki;
NAKAO TOSHIHIKO;
SATO KATSUZO;

Assignee: SONY CORP.
[News, Profiles, Stocks and More about this company](#)

Published / Filed: 1991-10-01 / 1990-01-25

Application Number: JP1990000015768

IPC Code: H01M 4/04; H01M 4/64

Priority Number: 1990-01-25 JP1990000015768

Abstract:

PURPOSE: To prevent the adhesion of lithium in a rolled state and the breakage of a lithium foil during operation up to battery assembly for efficient operation by press-attaching the lithium foil formed by extrusion directly to a metal collector foil before winding in a rolled state.

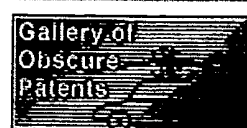
CONSTITUTION: A copper foil rolled substance 22 that a copper foil 21 is wound in a rolled state and an extruder 24 for a lithium foil 23 are prepared to have the one face of the copper foil 21, supplied from the copper foil rolled substance 22, and the desired-thickness lithium foil 23, extruded and molded from the extruder 24, faced in opposition, passed through a pair of pressure rollers 25, press-attached to each other and then wound in a rolled state. In this case, for making the lithium foil 23 thin up to a desired thickness, the lithium foil 23 from the extruder 24 is given cold rolling via 4-step rolls 26-29 and cold rolling mechanism 30. It is thus possible to prevent the adhesion of lithium in a rolled state and the breakage of the lithium during operation up to battery assembly for efficient operation.

COPYRIGHT: (C)1991,JPO&Japio

INPADOC Legal Status: None [Get Now: Family Legal Status Report](#)

Family: [Show 2 known family members](#)

Other Abstract Info: DERABS C91-330151 DERC91-330151




[Nominate](#)

[this for the Gallery...](#)

© 1997-2003 Thomson Delphion

[Research Subscriptions](#) | [Privacy Policy](#) | [Terms & Conditions](#) | [Site Map](#) | [Contact](#)

THOMSON  DELPHION			
RESEARCH		PRODUCTS	
INSIDE DELPHION			
Home About Us Contact Us My Account Products	Search: Quick/Number Boolean Advanced		

The Delphion Integrated View


Get Now: ☒ PDF | [More choices...](#)


Tools: Add to Work File: [Create new Wor](#)


View: [INPADOC](#) | Jump to: [Top](#)  Go to: [Derwent...](#)

 [Ema](#)


 Title: **JP3222257A2: MANUFACTURE OF LITHIUM ELECTRODE FOR LITHIUM BATTERY**

 Country: **JP Japan**

 Kind: **A**

 Inventor: **NAGAURA TORU;
YOKOGAWA MASAOKI;
NAKAO TOSHIHIKO;
SATO KATSUZO;**


 Assignee: **SONY CORP**
[News, Profiles, Stocks and More about this company](#)

 Published / Filed: **1991-10-01 / 1990-01-25**

 Application **JP1990000015768**

Number:

 IPC Code: **H01M 4/04; H01M 4/64;**

 Priority Number: **1990-01-25 JP1990000015768**

 Abstract:

PURPOSE: To prevent the adhesion of lithium in a rolled state and the breakage of a lithium foil during operation up to battery assembly for efficient operation by press-attaching the lithium foil formed by extrusion directly to a metal collector foil before winding in a rolled state.


CONSTITUTION: A copper foil rolled substance 22 that a copper foil 21 is wound in a rolled state and an extruder 24 for a lithium foil 23 are prepared to have the one face of the copper foil 21, supplied from the copper foil rolled substance 22, and the desired-thickness lithium foil 23, extruded and molded from the extruder 24, faced in opposition, passed through a pair of pressure rollers 25, press-attached to each other and then wound in a rolled state. In this case, for making the lithium foil 23 thin up to a desired thickness, the lithium foil 23 from the extruder 24 is given cold rolling via 4-step rolls 26-29 and cold rolling mechanism 30. It is thus possible to prevent the adhesion of lithium in a rolled state and the breakage of the lithium during operation up to battery assembly for efficient operation.

COPYRIGHT: (C)1991,JPO&Japio

 INPADOC **None** [Get Now: Family Legal Status Report](#)

Legal Status:

 Family: [Show 2 known family members](#)

 Other Abstract Info: **DERABS C91-330151 DERC91-330151**

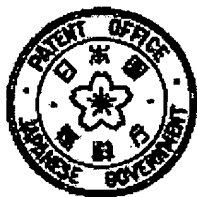




[Nominate](#)

[this for the Gallery...](#)

© 1997-2003 Thomson Delphion . . . [Research Subscriptions](#) | [Privacy Policy](#) | [Terms & Conditions](#) | [Site Map](#) | [Contac](#)



(19)

(11) Publication number:

03

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **02015768**(51) Intl. Cl.: **H01M 4/04 H01M 4/64**(22) Application date: **25.01.90**

(30) Priority:	(71) Applicant: SONY CORP
(43) Date of application publication: 01.10.91	(72) Inventor: NAGAURA TORU YOKOGAWA MASAOKI NAKAO TOSHIHIKO SATO KATSUZO
(84) Designated contracting states:	(74) Representative:

**(54) MANUFACTURE OF
LITHIUM ELECTRODE FOR
LITHIUM BATTERY**

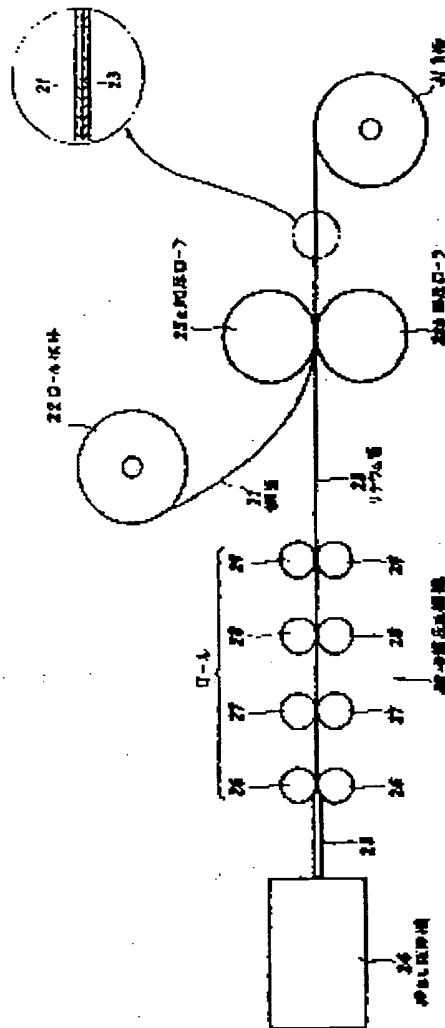
(57) Abstract:

PURPOSE: To prevent the adhesion of lithium in a rolled state and the breakage of a lithium foil during operation up to battery assembly for efficient operation by press-attaching the lithium foil formed by extrusion directly to a metal collector foil before winding in a rolled state.

CONSTITUTION: A copper foil rolled substance 22 that a copper foil 21 is wound in a rolled state and an extruder 24 for a lithium foil 23 are prepared to have the one face of the copper foil 21, supplied from the copper foil rolled substance 22, and the desired-thickness lithium foil 23, extruded and molded from the extruder 24, faced in opposition, passed through a pair of pressure rollers 25, press-attached to each other and then wound in a rolled

state. In this case, for making the lithium foil 23 thin up to a desired thickness, the lithium foil 23 from the extruder 24 is given cold rolling via 4-step rolls 26-29 and cold rolling mechanism 30. It is thus possible to prevent the adhesion of lithium in a rolled state and the breakage of the lithium during operation up to battery assembly for efficient operation.

COPYRIGHT: (C)1991,JPO&Japio





(19)

(11) Publication number:

03

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **02015768**(51) Intl. Cl.: **H01M 4/04 H01M 4/64**(22) Application date: **25.01.90**

<p>(30) Priority:</p> <p>(43) Date of application publication: 01.10.91</p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: SONY CORP</p> <p>(72) Inventor: NAGAURA TORU YOKOGAWA MASAOKI NAKAO TOSHIHIKO SATO KATSUZO</p> <p>(74) Representative:</p>
---	---

**(54) MANUFACTURE OF
LITHIUM ELECTRODE FOR
LITHIUM BATTERY**

(57) Abstract:

PURPOSE: To prevent the adhesion of lithium in a rolled state and the breakage of a lithium foil during operation up to battery assembly for efficient operation by press-attaching the lithium foil formed by extrusion directly to a metal collector foil before winding in a rolled state.

CONSTITUTION: A copper foil rolled substance 22 that a copper foil 21 is wound in a rolled state and an extruder 24 for a lithium foil 23 are prepared to have the one face of the copper foil 21, supplied from the copper foil rolled substance 22, and the desired-thickness lithium foil 23, extruded and molded from the extruder 24, faced in opposition, passed through a pair of pressure rollers 25, press-attached to each other and then wound in a rolled

state. In this case, for making the lithium foil 23 thin up to a desired thickness, the lithium foil 23 from the extruder 24 is given cold rolling via 4-step rolls 26-29 and cold rolling mechanism 30. It is thus possible to prevent the adhesion of lithium in a rolled state and the breakage of the lithium during operation up to battery assembly for efficient operation.

COPYRIGHT: (C)1991,JPO&Japio

